

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/724,950 Confirmation No. 3606  
Applicant : Andrew D. Wilson, et al.  
Filed : 12/01/2003  
Title : ARCHITECTURE FOR CONTROLLING A COMPUTER USING  
: HAND GESTURES  
Group Art Unit : 2175  
Examiner : Jordany Nunez  
Docket No. : 303183.02/MFCP.155220  
Customer No. : 45809

**VIA EFS – September 9, 2010**

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Commissioner for Patents  
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**AMENDMENT**

Applicant submits the following amendment in response to the Final Office  
Action mailed June 9, 2010. Please consider the following.

**Amendments to the Claims:** Begin on page 2 of this paper.

**Remarks:** Begin on page 13 of this paper.

## **AMENDMENTS TO THE CLAIMS**

Claims 1, 5, 11, 19, 30, and 33 are currently amended. This listing of claims will replace all prior versions, and listings, of claims in the application.

### **Listing of Claims:**

1. (Currently Amended) A system that facilitates a user interface, comprising:

a tracking component to detect motion of a group of moving pixels included in two or more images, wherein the tracking component detects motion when the sum of the absolute differences of at least one pixel within the two or more images is above a specified threshold;

at least two video capturing sources configured to receive a user command to control a computer system, wherein the user command is received from a gesture extracted from the group of moving pixels included in the two or more images captured by the at least two video capturing sources, and wherein control of the computer system comprises controlling computer programs by manipulating onscreen objects without a cursor;

and

a 3-D imaging component that receives ~~captures~~ the gesture in the form of a gesture image, processes the gesture image, and interprets the gesture image to execute the user command for control of the computer system and the imaging component permits different users to select different commands from a plurality of user commands executable by the computer system, to associate with the received gesture such that the received gesture executes the user command based